Appendi C-4 IPA Program Detail (version 2, 09/10/2013)

Program Name	Accelerate Group, LLC	and Citizens Utilit	y Board (CUB) –	CUB Energy Saver	-	
Program Description	CUB Energy Saver is a free online rewards program that incents residential households to save energy through a combination of information, incentives and community engagement. The program leverages behavioral and marketing best practices by encouraging opt-in web engagement and rewarding customers that save energy.					
Program Duration	June 2014 through May 2	017, 3-year progra	ım			
Collaboration	None					
Delivery Strategy	residents or through com includes on-the-ground m	The Energy Saver Is designed to encourage participation by local communities with community residents or through competitions against other communities for energy usage usage reductions. This includes on-the-ground marketing, reward partnership development, energy saving team development, custom-branded community and team pages, partner incentives and ongoing marketing support.				
Target Market	All such targeted custome	This program targets residential single-family and multi-family customers in ComEd's service territory. All such targeted customers taking delivery service from ComEd are eligible for this program regardless of their choice of supplier.				
Marketing Strategy	The Energy Saver is targeting markets with built-in social legitimacy, which is an important pre-requisite for effective engagement. Participation in the program comes from a combination of direct and community marketing. Direct marketing channels, including mail and e-mail, encourage customers to enroll online for savings recommendations and reward points to earn discounts at top national and local stores. Community marketing strategies include on-the-ground community outreach, and developing partnerships with local retailers and creating custom-branded community and team pages. The Accelerate Group, LLC (the program administrator) will work with CUB and leverage five of its outreach staff to conduct outreach events and market the Energy Saver Program at CUB events The Energy Saver outreach team will focus on increasing the use of digital marketing and community					
	based outreach beyond the programs to spread awar	eness of the progra	am and increase p	articipation.		
Eligible Measures	The program focuses on customers that save ener		engagement, with	rewards and incentive	ves given to	
	The types of measures undertaken by customers are primarily behavioral in nature, and can include turning off lights, adjusting air conditioning temperature setpoints, and turning off/unplugging electronic equipment when not in use. Given the design of the program and the method of measuring energy savings (which relies on customer's monthly energy consumption versus a control group), the breadth of measures actually undertaken is not known.					
Program Targets	Participation Levels					
		PY7	PY8	PY9	Total	
	Total Incremental	10,000	10,000	10,000	30,000	

Program Name Accelerate Group, LLC and Citizens Utility Board (CUB) - CUB Energy Saver **Annual Savings Targets** PY7 PY8 PY9 Total Gross MWh 5,970 11,940 17,910 35,820 11,940 5,970 Net MWh 17,910 35,820 2.0 4.0 12.0 6.0 Gross MW 2.0 4.0 6.0 12.0 Net MW **Program Budget** PY7 PY8 PY9 Total \$100,000 \$100,000 \$300,000 Administration \$100,000 \$150,000 \$275,000 \$375,000 \$800,000 Implementation Incentives \$0 \$0 \$0 \$0 \$150,000 \$225,000 \$300,000 Marketing and Other \$675,000 \$400,000 \$600,000 \$775,000 \$1,775,000 Total **Cost-Effectiveness Results Test Results** TRC 1.72 UCT 1.74 CCE \$0.045

Appendi C-4 IPA Program Detail (version 2, 09/10/2013)

Program Name	Conservation Services (Group (CSG) – Ho	me Energy Servi	ces for Electric Sp	ace Heat Customers	
Program Description	CSG will provide assessments and direct installation of energy saving measures with its own Energy Advisors based upon the Home Energy Savings (HES) program design. The visit generally starts with the Energy Advisor reviewing with the customer the goal of the visit and explaining the audit process. The Energy Advisor will also provide information about direct install measures the customers may be eligible to receive during the first visit.					
Program Duration	June 2014 through May 20	017, 3-year progra	m			
Collaboration	None					
Delivery Strategy	CSG will identify clusters of single family electric space heat customers in various communities. CSG's staff will work with homeowner associations, attend associations' board meetings, and provide collateral materials to educate on the program offerings. CSG may also work with participating contractors to provide a "bulk purchase" type of offer where program pricing is lowered if a certain number or percentage of the homeowners agree to proceed with work.					
Target Market	This program targets residential single-family electric space heat customers in ComEd's service territory. All such targeted customers taking delivery service from ComEd are eligible for this program regardless of their choice of supplier.					
Marketing Strategy	CSG recommend a targeted marketing approach that complements the ComEd brand and message, and leverages the cross marketing of other energy efficiency programs (that fall under the Smart Ideas umbrella, such as the HES Program) and consumer behavior patterns. The objective is to move consumers along their decision-making continuum – a process supported by research, particularly when it involves products and services that are socially responsible. This continuum begins with awareness of a product or service and/or social issue. It quickly moves on to understanding the implications of certain behaviors, being willing to change, and then sustaining that change over time. This approach will build on past work, chart new courses for the future, and ultimately achieve the goals for awareness and participation to attain program objectives.					
Eligible Measures	The assessment will be offered to customers of the Home Energy Savings (HES) Program and will include the direct installation of measures as follows: CFLs, low-flow showerheads, faucet aerators, water heater pipe insulation, and water heater thermostat setback. Eligible shell measures identified at the time of the assessment will be offered to customers and will include: air sealing, attic and wall insulation and equipment replacement (ductless mini-split heat pumps). Customers who chose to implement shell measure projects will receive an incentive consistent and/or comparable with that available to single family customers in the HES Program. The incentive will be offered as an instant rebate deducted from the customer's invoice for the project.					
Program Targets	Participation Levels					
		PY7	PY8	PY9	Total	
	Total Homes	300	300	300	900	

Program Name	Conservation Services Group (CSG) – Home Energy Services for Electric Space Heat Customers

Annual Savings Targets

	PY7	PY8	PY9	Total
Gross MWh	2,446	2,446	2,446	7,337
Net MWh	2,017	2,017	2,017	6,051
Gross MW	1.0	1.0	1.0	3.0
Net MW	1.0	1.0	1.0	3.0

Program Budget

	PY7	PY8	PY9	Total
Administration	\$0	\$0	\$0	\$0
Implementation	\$1,101,724	\$1,101,724	\$1,101,724	\$3,305,172
Incentives	\$465,371	\$465,371	\$465,371	\$1,396,113
Marketing and Other ¹	\$0	\$0	\$0	\$0
Total	\$1,567,095	\$1,567,095	\$1,567,095	\$4,701,285

Cost-Effectiveness Results

	Test Results
TRC	1.23
UCT	2.82
CCE	\$0.042

¹ Marketing costs are embedded in the Implementation Costs for this program

Program Name	Home Energy Reports
Program Description	The Home Energy Report (H.E.R), currently an opt-out only program, provides select residential customers with information on how they use energy within their households on a monthly basis. The customer's home energy usage is compared to the average usage of households that are geographically located in close approximation of one another and have similar characteristics such as dwelling, heating type and size.
	ComEd intends to expand this program from the current 340,000 residential customers to 1,500,000.
Program Duration	June 2014 through May 2017, 3-year program
Collaboration	None
Delivery Strategy	This program involves delivery of tailored energy usage reports to participating customers, typically on a bi-monthly basis. These reports provide comparisons of the partipant's consumption against a demographic peer group, and provides tips and guidance regarding how the participant can reduce energy use. The Home Energy Reports program will contract with a third-party implementation vendor through an RFP selection process to administer this program. As the program expands, additional call center personnel will be trained to field customer questions and manage program opt-out requests.
Target Market	This program targets residential single-family and multi-family customers in ComEd's service territory. All such targeted customers taking delivery service from ComEd are eligible for this program regardless of their choice of supplier.
Marketing Strategy	Recent research indicates that information campaigns are not sufficient enough on their own to get individuals to change their behavior. Behavioral marketing is defined as using human biases that are important for making decisions and incorporating those biases into marketing campaigns to make them more effective. The Home Energy Reports use behavioral marketing by focusing on social norms.
	The overall marketing strategy for Home Energy Reports will largely operate as continued education and awareness of energy efficiency, because this program is conducted on an opt-out basis. Marketing will occur through promotion of energy efficiency offerings through tips. Customers participating in the program will be reached through messages on their customized reports, digital media and additional targeted mailings based on energy reduction needs.
	Key marketing messaging for this program are: (1) reduce your energy usage – check out more <i>Smart Ideas</i> at www.ComEd.com ; (2) become a more informed user of energy and how easily you can save money on your monthly expenses; (3) join in and be amongst your peers/neighbors who may be more energy efficient; (4) being more energy efficient and saving is as simple as slightly changing an existing habit or pattern; and (5) do not waste energy while you're away – set a programmable thermostat and start saving.
Eligible Measures	The Home Energy Report provides residential customers with information on how they use energy within their households on a monthly basis. The report displays usage analytic such as a last 2 months neighbor comparison, a 12 month neighbor comparison, a personal comparison that illustrates the customer's usage from the same time last year and specific energy tips that are based on the characteristics and usage of the household.
	The types of measures undertaken by customers are primarily behavioral in nature, and can include turning off lights, adjusting air conditioning temperature setpoints, and turning off/unplugging electronic equipment when not in use. Given the design of the program and the method of measuring energy savings (which relies on customer's monthly energy consumption versus a control group), the breadth of measures actually undertaken is not known.

Program Name	Home Energy Reports				
Program Targets	Participation Levels				
		PY7	PY8	PY9	Total
	Total Customers	1,500,000	1,500,000	1,500,000	4,500,000
	Annual Savings Target	s			
		PY7	PY8	PY9	Total
	Gross MWh	271,825	337,75	351,49	961,074
	Net MWh	271,825	337,75	351,49	961,074
	Gross MW	79	99	9 10	3 281
	Net MW	79	99	9 10	3 281
		PY7	PY8	PY9	Total
		PV7	PV8	PV9	Total
	Administration	\$174,761	\$180,004	\$185,40	4 \$540,169
	Implementation	\$13,670,833	\$13,670,833	\$13,670,83	3 \$41,012,499
	Incentives	\$0	\$(\$	0 \$0
	Marketing and Other	\$0	\$0	\$	\$0
	Total	\$13,845,594	\$13,850,837	\$13,856,23	7 \$41,552,668
	Cost-Effectiveness Res	sults			
			Te	st Results	
		TRC		1.90	
		UCT		1.92	
		CCE		\$0.039	

Appendix C-4 IPA Program Detail (version 2, 09/10/2013)

Program Name	Shelton Solutions Inc	Energy Stewards			
Program Description	The Energy Stewards Program is designed to provide information and awareness around energy efficiency. This program is designed to educate, implement, track, and reward. Participants will sign up for the program and Energy Stewards will tell the participants what to do, show them how they are progressing and leave the rest up to the participants.				
Program Duration	June 2014 through May 2	015, 1-year progra	m		
Collaboration	None				
Delivery Strategy	Customers will be able to seminars. There will also up for participation in the The Energy Stewards Pro	be a dedicated we program. Fax and	ebsite with program mail-in application	m information where ns will also be accep	customers can sign ted.
	program access to their end the program will provide energy consumption of the and (5) the program will re	nergy consumption nergy consumption e participants; (4) t	n information) agre n advise and educ he program will m	eeing to try to save 5 cation; (3) the progranake participants awa	m will monitor the
Target Market	This program targets residential single-family and multi-family customers in ComEd's service territory. All such targeted customers taking delivery service from ComEd are eligible for this program regardless of their choice of supplier.				
Marketing Strategy	Customer will be recruited for this program using a grass roots campaign. This program hinges on the fact that information disseminated via faith-based (and community-based) avenues is typically well received and acted upon. The program will recruit customers through church announcements, bulletins and direct contact with church and community leaders. The marketing and outreach approach will be modified as the program progresses.				
	The Energy Steward Program is an awareness program. ComEd customers will be invited to participate in a self-competition. Participants will compete against themselves. The program challenges participants to do better. Energy use reduction information is shared with participants, but ultimately, it is up to the participants to decide how to reduce consumption.				
Eligible Measures	No particular measures will be installed through program. The types of measures undertaken by customers are primarily behavioral in nature, and can include turning off lights, adjusting air conditioning temperature setpoints, and turning off/unplugging electronic equipment when not in use. Given the design of the program, the breadth of measures actually undertaken is not known.				
Program Targets	Participation Levels				
		PY7	PY8	PY9	Total
	Total Customers	3,000	0	0	3,000

Program Name Shelton Solutions Inc. - Energy Stewards **Annual Savings Targets** PY7 PY8 PY9 Total 0 1,500 0 1,500 Gross MWh 1,230 Net MWh 0 0 1,230 0 0 0 0 Gross MW 0 0 0 0 Net MW **Program Budget** PY9 PY8 PY7 Total \$0 \$0 \$0 \$0 Administration Implementation \$40,000 \$0 \$0 \$40,000 \$150,000 \$150,000 Incentives \$0 \$0 Marketing and Other \$10,000 \$10,000 \$0 \$0 \$200,000 \$0 \$0 \$200,000 Total **Cost-Effectiveness Results Test Results** TRC 1.97 UCT 0.49 CCE \$0.146

Program Name	Small Business Energy Services (SBES)
Program Description	Provide small business customers with cost-effective turn-key energy efficiency retrofit services. Generating energy savings by direct installation of low-cost energy efficient products and also providing incentives for more capital-intensive measures to maximize energy efficiency opportunities.
Program Duration	June 2014 through May 2017, 3-year program
Collaboration	Program will be jointly delivered with the local gas companies People's Gas, North Shore Gas and Nicor Gas.
Delivery Strategy	SBES will be promoted through multiple channels including trade allies, program outreach staff, and key partners. Trade allies will be the primary means of promoting SBES and obtaining participants. ComEd will support the trade allies by providing formal marketing/outreach guidance and co-branded promotional materials. The trade allies role will expand to conduct and collect all of the customer information. They will also complete the direct installs selected by the customer and arrange to install the retrofit measures that the customer would like to complete.
	Furthermore, trade allies will be given extensive marketing support, which will make sure that they have the needed materials and messaging needed to advertise the program.
	Additionally trade ally support will include establishing, maintaining, and leveraging relationships with local business groups, media, and government organizations to promote program awareness and drive participation. Joint outreach and marketing initiatives conducted with key partners will be part of a cost-effective means of reaching large numbers of potential SBES participants. These partnerships include ComEd External Affairs Managers (EAMs), Chambers of Commerce, small business organizations, and other ComEd Smart Ideas implementing contractors.
	Lastly, the SBES Geo-Targeted program will be offered to select towns to assist with Energy Efficiency awareness and program recruitment. This effort will be based upon the model established and vetted with Pilot I and Pilot II implemented by ComEd in 2013. The selected towns will be engaged through local media, local governments, and other local community organizations; all SBES eligible customers will receive emails and postcards. SBES trade allies will conduct in-person outreach to answer customer questions and conduct energy assessments.
Target Market	This program is designed for small business customers. All targeted customers taking delivery service from ComEd are eligible for the program regardless of their choice of supplier.
Marketing	The marketing strategies includes the following:
Strategy	 Supplement the direct-install efforts of the implementation contractor by developing trade ally relationships in local communities that can deliver education, training and EE technologies to small C&I customers Promote free subscription to Energy Insights Online to cultivate energy usage understanding and energy efficiency mentality Educate and leverage existing resources (e.g., trade allies, ComEd external affairs managers, call center) to their greatest potential to achieve broad-based awareness at the lowest possible cost
	Materials and tactics for trade ally marketing would include program materials and marketing collateral, sale tools, outreach, and training. Materials and tactics for marketing to customers would include direct mail, telemarketing, outreach events, newsletters, bill insets, and printed collateral.
	 Key Messages: Simple, easy and FREE energy efficiency measures are available to your business through ComEd's Smart Ideas Small Business Energy Services incentive These Energy Efficiency technologies can help you lower your energy bill

Program Name	Small Business Energy Services (SBES)					
Program Targets	Participation Levels					
		PY7	PY8	:	PY9	Total
	Total Sites	16,000	16,00	0	16,000	48,000
	Annual Savings Targe					
		PY7	PY8		PY9	Total
	Gross MWh	105,263	140	0,000	175,78	39 421,052
	Net MWh	100,000	133	3,000	167,00	400,000
	Gross MW	29.7		39.6	49	.7 119.0
	Net MW	28.3		37.6	47	.2 113.1
		PY7	PY8		PY9	Total
		PY7	PY8		PY9	Total
	Administration	\$174,761	\$180	0,004	\$185,4	\$540,169
	Implementation	\$20,994,187	\$29,049	7,773	\$37,350,4	\$87,394,364
	Incentives	\$4,041,618	\$4,122	2,450	\$4,204,8	\$12,368,967
	Marketing and Other	\$2,332,687	\$3,227	7,753	\$4,150,0	9,710,485
	Total	\$27,543,253	\$36,579	9,980	\$45,890,7	\$110,013,985
	Cost-Effectiveness Re	esults				
				Test	Results	
		TRC		2	2.32	
		UCT		3	3.58	
		CCE		\$0	0.025	

Program Name	One Change – Small Commercial Power Strip Program
Program Description	One Change is a small commercial program that will offer two TrickleStar power strips directly to targeted small business customers that have the highest plug loads and standby times. The participants will be identified using a targeting analysis approach.
Program Duration	June 2014 through May 2015, 1-year program
Collaboration	None
Delivery Strategy	One Change utilizes a community-based social marketing (CBSM) approach to delivery this program that relies on personally delivering and installing sponsored items and messaging directly to utility customers. CBSM uses simple actions like installing a power strip to stimulate conversations and information sharing between neighbors, colleagues and friends. This purposely builds momentum at the community level. It also breaks down barriers and changes recipients' self perceptions. Taking the first simple step makes them increasingly likely to make informed choices in the future and to adopt additional measures. Key targeted delivery include:
	 Review already analyzed utility data, completed in current program year
	 Identification of up to three market research questions to drive future savings opportunities to be carried to the door by One Change in targeted communities
	 Delivery of TrickleStar advanced power strips to each targeted business in the targeted communities
	 Co-marketing of up to three follow on offer collateral items (to be supplied by ComEd or desired vendor)
	 Solicitation and tracking via One Change iChange app of three follow on insights to provide on offer targeting insights
	 Wrap up, strategic analysis of data collected at door to make insights readily shareable to other vendors in ComEd's portfolio with a goal of driving cost effective portfolio.
Target Market	Small business at or below 100 kW peak demand
Marketing Strategy	A targeting methodology will be used to determine the most appropriate areas and businesses for targeting with smart power strips. One Change plans to target businesses in zip codes that have higher plug loads and longer standby timers by using business information available in a current third party commercial data set. This analysis will
	 Find the geographic areas and pinpoint the business types best suited to the targeted One Change engagement effort
	 Identify the business owners or key decision makers most appropriate for targeted personal conversation using purchased third party databases and community engagement tactics.
	 Review ComEd's current programs to refine the secondary ask after the power strip installation
	 Identification of up to three market research questions to drive future savings opportunities to be carried to the door by One Change in targeted communities.
	One Change will then utilize a community-based social marketing approach and numerous traditional marketing activities designed to engage the public, generate awareness and interest and promote sponsor messaging. In cooperation with ComEd this program aims to:
	 Educate commercial customers on the benefits and uses of power strips
	 Raise awareness of energy efficiency and Energy Star program
	 Encourage future purchase of energy efficient, Energy Star products
	 Engage business customers in a positive manner
	 Increase the likelihood that targeted customers will adopt additional energy efficiency measures
	Key components of the marketing strategy may include:

Program Name	One Change – Small Cor	mmercial Power S	trip Program									
		s a means of promo		ek positive media cov and establishing cre								
	Paid Media newspaper		nte, make strategio	advertising purchas	es in local							
				to a face-to-face vis								
		isiness, and comm		ps in the business co beak with their consti								
	success of to act as aç doorstep. C											
	 Web, social and electronic media – Feature ComEd utility program on One Change corporate website. Approved sponsor messages and other ComEd energy efficiency programs can also be highlighted and cross-promoted. 											
Eligible Measures	2 TrickleStar power strips											
Program Targets	Participation Levels											
		PY7	PY8	PY9	Total							
	Total Strips	50,000	N/A	N/A	50,000							
	Annual Savings Target	s										
		PY7	PY8	PY9	Total							
	Gross MWh	5,130	N/A	N/A	5,130							
	Net MWh	4,360	N/A	N/A	4,360							
	Gross MW	0.54	N/A	N/A	0.54							
	Net MW	0.46	N/A	N/A	0.46							
	INCLIVIAA											

Program Name	One Change – Small Cor	mmercial Power S	Strip Program		
	Program Budget				
		PY7	PY8	PY9	Total
	Administration	\$281,190	N/A	N/A	\$281,190
	Implementation	\$113,400	N/A	N/A	\$113,400
	Incentives	\$720,500	N/A	N/A	\$720,500
	Marketing and Other	\$151,910	N/A	N/A	\$151,910
	Total	\$1,267,000	N/A	N/A	\$1,267,000
	Cost-Effectiveness Res	sults			
			Test	Results	
		TRC	1	1.05	
		UCT	1	1.06	
		CCE	\$0	.0523	

Program Name	PECI – AirCare Plus Small Commercial HVAC Tune-Up Program
-	. •
Program Description	AirCare Plus is a direct install HVAC tune-up program that focuses on packaged rooftop units (RTU) which are poorly maintained and operating inefficiently. Trade allies will utilize a custom analytical tool that will populate software with field data and perform fault detection and diagnostics to guide technicians through the service.
Program Duration	June 2014 through May 2017, 3 year program
Collaboration	None
Delivery Strategy	PECI will launch a comprehensive, formal contractor recruiting program. The team will perform the recruitment and ensure that high-quality contractors will participate in the program. Clear expectations of contractor performance will be set. Stages of the program will include:
	 Program customization and launch – PECI will begin by customizing the AirCare Plus program for ComEd which will include measure savings estimation and documentation, incentive design, program policy design, marketing collateral development and more.
	 Contractor training – Contractors will complete a multi-day training that includes both in-office and rooftop components. This training covers program features and requirements, tools and the RTU repairs and upgrades
	 Customer engagement – Contractors engage with their customers or with customers referred by a utility representative. The contractor explains the work that will be performed, presents the AirCare Plus marketing material and enrolls these customers into the program. Technicians service the RTUs per customer agreements with guidance from the program's custom RTU diagnostic tool. Depending on the unit condition and eligibility, a number of measures may be performed. These include scheduling, thermostat replacement, economizer control upgrades and repairs, belt retrofitting, coil clearing and refrigerant charge adjustment.
	 QA/QC – After the work is performed, PECI conducts a quality control review of the data, comparing them to targets and past program results. Field audits are performed randomly and selectively based on abnormal data or poor contractor performance.
	 Incentives paid and savings claimed – Once PECI has performed these checks, PECI pays contractors for the completed measures. Finally, a data file and invoice will be periodically submitted to ComEd for review and payment.
Target Market	Small to medium sized businesses at or below 100kW peak demand
Marketing Strategy	PECI will deploy two marketing strategies: (1) Direct marketing to customers, and (2) Contractor outreach. PECI has prepared marketing materials to address the variable demographic nature of the small business environment.
	Direct to Customer Marketing:
	 Program brochure (pre-enrollment) – These materials will be utilized by the contractors when talking to potential customers and can be customized to include information on other ComEd Smart Ideas programs
	 Program expectation cards (post-enrollment) – Contractors will use these materials to set expectations for service components and timelines once customers have enrolled in the program
	 Program tune-up checklist and energy savings reports (post-service) – Contractors will follow through with customers post-service, providing service details
	 Target the major players – A list of the most desirable customers based on energy savings and participation potential will be developed and those customers will be targeted.
	 Website – A website will be created specific to ComEd's AirCare Plus program. This website will not only include program information for customers and contractors but will also serve as a vehicle for customer submissions via web-to-lead forms that feed directly into to customer resource management system, if applicable.

Program Name	PECI – AirCare Plus Sma	PECI – AirCare Plus Small Commercial HVAC Tune-Up Program										
	Contractor Outreach PECI will launch a comprehensive, formal contractor recruiting program. To recruit contractors, the team will reach out to local industry groups to advise the program and find interested contractors. After the initial marketing phase, PECI will move to more of a mass approach to reach a wider audience using collateral developed in compliance with ComEd's branding guidelines.											
Eligible Measures	 Incentives will be Unit cooling cap Certain portions measures, assu Econo Therm Belt-di 	 Unit cooling capacity will be 7.5 tons on average Certain portions of the RTU population will have subsystems appropriate for additional measures, assumed to be at the following percentages: Economizers: 30% Thermostats: 100% Belt-driven motors: 80% 										
Program Targets	Participation Levels											
		PY7	PY8	PY9	Total							
	Total Tons	26,000	69,333	82,333	177,666							
	Annual Savings Target	S										
		PY7	PY8	PY9	Total							
	Gross MWh	4,197	10,952	12,897	28,046							
	Net MWh	3,324	9,309	10,962	23,595							
	Gross MW	0.460	1.202	1.414	3.076							
	Net MW	0.391	1.021	`1.202	2.614							
	Program Budget											
		PY7	PY8	PY9	Total							
	Administration	\$393,908	\$1,028,003	\$1,210,546	\$2,632,457							
	Implementation	\$28,335	\$73,948	\$87,079	\$189,362							
	Incentives	\$595,689	\$1,554,603	\$1,830,654	\$3,980,946							
	Marketing and Other	\$5,797	\$15,129	\$17,815	\$38,741							
	Total	\$1,023,729	\$2,671,683	\$3,146,094	\$6,841,506							

Program Name	PECI – AirCare Plus Small	PECI – AirCare Plus Small Commercial HVAC Tune-Up Program						
	Cost-Effectiveness Resu	lts						
	GOST EMECTIVENESS NESS		Test Results					
		TRC	1.78					
		UCT	1.76					
		CCE	\$0.024					

Program Name	CNT Energy – Retrofit Chicago Residential Program
Program Description	The Retrofit Chicago Residential Program (Program) is a joint partnership with the City of Chicago and Integrys Energy Services (Integrys) established to improve the energy efficiency of electric heat multifamily accounts and to distribute energy efficiency products to households across Chicago. The partnership will provide electric heat multi-family accounts with simple, proven and effective energy efficiency solutions; and will leverage Integrys' knowledge base to conduct direct marketing of electric heat multi-family accounts located in Chicago, with a particular focus on Chicago's working class neighborhoods.
Program Duration	June 2014 through May 2017, a 3-year program
Collaboration	None
Delivery Strategy	CNT Energy will be the program administrator and will serve as the primary contact for ComEd. CNT Energy will coordinate outreach efforts between the City of Chicago and Integrys and work with partners to conduct appropriate EM&V efforts. Integrys will serve as a subcontractor to CNT Energy – the City of Chicago will act as a partner but will not have a contractual obligation with either CNT Energy or Integrys. Upon signing up for this Program, customers will be connected with CNT Energy to complete the retrofit process. CNT Energy will conduct an initial screening to verify eligibility and filter out customers that may not benefit from the Program. Once enrolled in the Program, customers are assigned a CNT Energy Analyst that will guide the customer from start to finish. The process includes comprehensive audits to inform the owner of the building of potential energy efficiency opportunities that can benefit from measures incentivized by ComEd. At the time of the audit, CNT Energy will directly install a variety of energy efficiency products, such as CFLs, faucet aerators, smart strips, and showerheads in units. CNT Energy will work with building owners to assemble financing and incentive packages for energy retrofits, then complete the work with necessary QA/AC site inspections. This Program's model is largely based on the key roles the partners have played previously in other programs. • CNT Energy – CNT Energy is one of the nation's leaders in providing turnkey solutions for several multi-family retrofits projects. Since 2007, CNT Energy has managed retrofits for over 12,000 multi-family units in the Chicagoland area, including over 500 in electric space heat buildings. • Integrys – Integrys will apply its extensive outreach experience to target key customers. Integrys will also leverage its project management expertise to assist with the Program as needed. Integrys will leverage its project management expertise to ensure this Program is implemented efficiently and effectively. • City of Chicago – The
Target Market	This Program targets electric heat multi-family customers in ComEd's Chicago service territory. All such targeted customers taking delivery service from ComEd and located in Chicago are eligible for this program regardless of their choice of supplier.

Program Name	CNT Energy – Retrofit C	hicago Residentia	al Program					
Marketing Strategy	This Program will be managed by CNT Energy, the City of Chicago, and Integrys. Integrys will assist in identifying the multi-family electric heat customers in the City of Chicago that will be targeted to receive information about energy efficiency through this Program. This Program will build upon a strong foundation of sustainability initiatives launched by the City of Chicago which set a goal of improving citywide efficiency by 5% by 2015. The City of Chicago plan provides concrete initiatives, metrics, and strategies aimed at advancing Chicago's goal of becoming the most sustainable city in the country. The program will provide turnkey energy efficiency services to multi-family electric space heating customers. With over 32,000 Integrys multi-family electric space heat accounts in Chicago, together with the expiration of the electric space heating rate class discounts, this Program will focus on recruiting those accounts and buildings. CNT Energy will leverage its existing contracts within the community of multi-family building owners to assist with additional outreach and recruitment. The City of Chicago and Integrys will work together to develop energy efficiency programs. As the supplier to the City of Chicago's municipal aggregation program, Integrys has the ability to identify the City of Chicago will identify top retrofit candidates by use, location, building properties, etc. Targeted outreach strategies will be developed to inform customers about energy efficiency opportunities, with a special focus on the City of Chicago's Program, using collateral such as direct mail, lobby booths, etc. In addition, CNT Energy will leverage its existing contacts within the community of multi-family building owners to assist with additional outreach and recruitment.							
Eligible Measures	The program will primarily products with the anticipat projects. Smart strips, pro CFLs will be distributed. A program.	ion that a significa	nt number of cust ostats, occupancy	omers will participa sensors, low-flow	te in deeper retrofit water devices, and			
Program Targets	Participation Levels							
		PY7	PY8	PY9	Total			
	Total (Sites)	867	867	866	2,600			
	Annual Savings Target	c						
	Annual Savings ranget	PY7	PY8	PY9	Total			
	Gross MWh	1,564	2,050	2,470	6,084			
	Net MWh	1,157	1,518	1,828	4,503			
	Gross MW	0	0	0	0			
	Net MW	0	0	0	0			

Program Name CNT Energy – Retrofit Chicago Residential Program Program Budget PY7 PY8 PY9 Total \$0 \$0 \$0 \$0 Administration Implementation \$205,988 \$205,988 \$205,988 \$617,964 \$230,568 \$256,908 \$307,926 \$795,402 Incentives Marketing and Other \$106,159 \$84,767 \$63,375 \$254,301 \$542,715 \$547,663 \$577,289 \$1,667,667 Total **Cost-Effectiveness Results** Test Results TRC 1.18 UCT 1.53 CCE \$0.052

Non-Qualifying Programs

The proposals not meeting the minimum requirements included:

M2 (Multifamily): This bid competed with the Smart Ideas Comprehensive Multifamily program, targeting similar buildings with a less comprehensive offering. This proposal was limited to lighting upgrades in common areas, while the Smart Ideas offering provides comprehensive solutions, including in-unit direct installations, common area upgrades of lighting and additional measures, and comprehensive building shell and equipment retrofits. In addition, the Smart Ideas offering is delivered in concert with natural gas utilities, offering more comprehensive solutions to building owners and residents.

M3: This bid was unresponsive in that it did not include a number of items required by the form of submission (including general materials, full budget proposal, full cost-effectiveness data, schedule, and firm experience). The bid also included no discussion of a pay-for-performance fee structure and appeared to rely on incentives from other Smart Ideas programs.

B2: This bid was withdrawn.

B4: This was nonresponsive in that it did not provide data sufficient for calculating cost-effectiveness results. The bid also competed with the Smart Ideas Small Business Energy Services program, offering a similar delivery structure without a clear approach for targeting underserved customers.

B5 (Small Business DI): This bid competed with the Smart Ideas Small Business Energy Services program, offering a substantially identical delivery structure. While the bid targeted certain market segments, there is no indication that the targeted markets are underserved by the Smart ideas offering.

B6: This bid competed with the s Small Business Energy Services program, offering a substantially identical delivery structure. While the bid targeted certain market segments, there is no indication that the targeted markets are underserved by the Smart ideas offering.

B7: This bid competed with the Smart Ideas Small Business Energy Services program, offering a substantially identical delivery structure without a clear approach for targeting underserved customers.

B8: This bid was unresponsive in that it did not provide the information needed to calculate cost-effectiveness results. The bid was also not structured as a stand-alone program, but instead relied on incentives offered by other Smart Ideas offerings.

B9 (Commercial Office): This bid competed with the Smart Ideas Commercial Real Estate program, offering a substantially identical delivery structure without a clear approach for targeting underserved customers.

B10 (Nonprofit): This bid competed with a similar marketing channel included in the Smart Ideas portfolio, offering substantially identical services without a clear approach for targeting underserved customers.

Appendix C-2 - Energy Efficiency Analysis Summary (version 2, 09/10/2013)

Program Vendor	Program Name	Program Code	Target Market		Number of U				et Busbar MWh	_		At-the-Meter M		Total 3-year Program Cost	TRC Test	Utility Cost Test (UCT) (Discount Rate = 0)	Cost of Conser Energy ("	ved 'CCE")
				Units of	2014	2015	2016	2014	2015	2016	2014	2015	2016					
Α			В	Measure	C(1)	C(2)	C(3)	D(1)	D(2)	D(3)	E(1)	E(2)	E(3)	F	G	Н	1	
ComEd Programs											-							
	Home Energy Reports	HER	Residential	Customers	1,500,000	1,500,000	1,500,000	301,780	374,971	390,233	271,825	337,751	351,498	\$ 41,552,668	1.90	1.92	\$	0.039
	Small Business Energy Services	SmallBiz	Small Commercial	Sites	16,000	16,000	16,000	111,020	147,657	185,403	100,000	133,000	167,000	\$ 110,013,985	2.32	3.58	\$	0.026
Total - ComEd Programs								412,800	522,628	575,636	371,825	470,751	518,498	151,566,653				
Third Party Programs (Vendor listed)											-							
Accelerate Group	CUB Energy Saver	Accelerate	Residential	Web Enrollments	10,000	10,000	10,000	6,628	13,256	19,884	5,970	11,940	17,910	\$ 1,775,000	1.72	1.74	\$	0.045
Conservation Services Group (CSG)	Home Energy Services	CSG	Residential	Homes Assessed	300	300	300	2,239	2,239	2,239	2,017	2,017	2,017	\$ 4,701,285	1.23	2.82	\$	0.042
OneChange	Small Commercial Power Strip	OneChange	Small Commercial	Power Strips	50,000	-	-	4,840	-	-	4,360	-	-	\$ 1,267,000	1.05	1.06	\$	0.052
Shelton Solutions	Energy Stewards	Shelton	Residential	Participants	3,000	-	-	1,366	-	-	1,230	-	-	\$ 200,000	1.97	0.49	\$	0.146
PECI	Small Commercial HVAC Tune-up	PECI	Small Commercial	Tons cooling	26,000	69,333	82,333	3,690	10,335	12,170	3,324	9,309	10,962	\$ 6,841,506	1.78	1.76	\$	0.024
CNT	Retrofit Chicago Residential	CNT	Residential	Sites	867	867	866	1,285	1,685	2,029	1,157	1,518	1,828	\$ 1,667,667	1.18	1.53	\$	0.052
Total - Third Party Programs								20,048	27,515	36,322	18,058	24,784	32,717	\$ 16,452,458				
Combined Total								432,848	550,143	611,958	389,883	495,535	551,215	\$ 168,019,111				
Total Passing UCT(0)								431,482	548,458	609,929	388,653	495,535	551,215	\$ 167,819,111				

Note: Small Commercial Power Strip and Energy Stewards are 1-year programs. Remaining programs are 3-years

Energy Stewards program has a UCT(0) < 1.0; A UCT less than 1.0 means the program would not lead to a reduction in the overall cost of electric service.

		N	1Wh by Progr	am - Total Sa	vings by Mo	onth			
	HER	Accelerate	SmallBiz	PECI	CSG	OneChange	Shelton	CNT	Total
Annualized 2014	301,780	6,628	111,020	3,960	2,239	4,840	1,366	1,285	433,118
Annualized 2015	374,971	13,256	147,657	10,335	2,239			1,685	550,143
Annualized 2016	390,233	19,884	185,403	12,170	2,239			2,029	611,958
Jun-14	9,282	61	-	38	15	33	13	9	9,451
Jul-14	13,428	190	-	172	32	69	39	18	13,948
Aug-14	15,346	250	-	463	48	103	52	27	16,289
Sep-14	19,183	367	912	257	61	133	76	35	21,025
Oct-14	25,897	569	1,886	65	79	171	117	45	28,831
Nov-14	30,940	734	2,737	-	92	199	151	53	34,907
Dec-14	31,971	759	3,772	-	111	240	156	64	37,073
Jan-15	31,971	759	4,715	-	127	274	156	73	38,075
Feb-15	28,877	685	5,110	-	129	278	141	74	35,295
Mar-15	31,971	759	6,600	-	158	343	156	91	40,079
Apr-15	30,940	734	7,756	59	169	365	151	97	40,272
May-15	31,971	759	9,429	317	190	411	156	109	43,343
Jun-15	30,735	604	9,125	851	199	398		117	42,030
Jul-15	31,760	751	9,429	1,598	222	411		133	44,304
Aug-15	31,760	812	9,429	2,239	238	411		145	45,033
Sep-15	30,735	911	10,339	1,187	245	398		152	43,966
Oct-15	31,760	1,131	11,937	289	269	411		169	45,966
Nov-15	30,735	1,278	12,766	-	276	398		175	45,628
Dec-15	31,760	1,320	14,445	-	301	411		193	48,430
Jan-16	31,760	1,320	15,699	-	317	411		205	49,712
Feb-16	29,711	1,211	15,617	-	307	385		199	47,429
Mar-16	31,760	1,320	18,208	-	349	411		228	52,276
Apr-16	30,735	1,278	19,441	234	353	398		233	52,671
May-16	31,760	1,320	21,970	1,144	380	411		252	57,237
Jun-16	32,074	1,149	21,261	2,832	383	398		258	58,355
Jul-16	33,143	1,314	21,970	4,675	412	411		281	62,206
Aug-16	33,143	1,375	21,970	5,141	428	411		295	62,763
Sep-16	32,074	1,455	22,785	2,649	429	398		300	60,091
Oct-16	33,143	1,694	25,119	630	460	411		324	61,780
Nov-16	32,074	1,823	25,833	-	460	398		327	60,915
Dec-16	33,143	1,883	28,268	-	491	411		353	64,550
Jan-17	33,143	1,883	29,843	-	507	411		367	66,155
Feb-17	29,936	1,719	28,782	-	478	371		349	61,636
Mar-17	33,143	1,883	32,992	-	539	411		396	69,364
Apr-17	32,074	1,823	34,214	468	537	398		397	69,910
May-17	33,143	1,883	37,716	2,117	570	411		425	76,266

Appendix C-3: Energy Efficiency Monthly Savings Curves

Jun-17	36,500	5,028	552	398	411	42,889
Jul-17	37,716	7,675	570	411	425	46,797
Aug-17	37,716	6,881	570	411	425	46,003
Sep-17	36,500	3,440	552	398	411	41,301
Oct-17	37,716	794	570	411	425	39,916
Nov-17	36,500	-	552	398	411	37,860
Dec-17	37,716	-	570	411	425	39,123
Jan-18	37,716	-	570	411	425	39,123
Feb-18	34,879	-	528	385	393	36,183
Mar-18	37,716	-	570	411	425	39,123
Apr-18	36,500	529	552	398	411	38,390
May-18	37,716	2,117	570	411	425	41,240
Jun-18	36,500	5,028	552	398	411	42,889
Jul-18	37,716	7,675	570	411	425	46,797
Aug-18	37,716	6,881	570	411	425	46,003
Sep-18	36,500	3,440	552	398	411	41,301
Oct-18	37,716	794	570	411	425	39,916
Nov-18	36,500	-	552	398	411	37,860
Dec-18	37,716	-	570	411	425	39,123
Jan-19	37,716	-	570	411	425	39,123
Feb-19	34,471	-	521	371	388	35,752
Mar-19	37,716	-	570	411	425	39,123
Apr-19	36,500	529	552	398	411	38,390
May-19	37,716	2,117	570	411	425	41,240
Jun-19	36,500	5,028	552	398	411	42,889
Jul-19	37,716	7,675	570	411	425	46,797
Aug-19	37,716	6,881	570	411	425	46,003
Sep-19	36,500	3,440	552	398	411	41,301
Oct-19	37,716	794	570	411	425	39,916
Nov-19	36,500	-	552	398	411	37,860
Dec-19	37,716	-	570	411	425	39,123
Jan-20	37,716	-	570	411	425	39,123
Feb-20	34,879	-	528	385	393	36,183
Mar-20	37,716	-	570	411	425	39,123
Apr-20	36,500	529	552	398	411	38,390
May-20	37,716	2,117	570	411	425	41,240

	MWh by Program - Total Savings for IPA-bundled by Month								
	HER	Accelerate	SmallBiz	PECI	CSG	OneChange	Shelton	CNT	Total
Jun-14	2,274	15	-	10	4	9	3	2	2,317
Jul-14	3,290	46	-	46	8	18	10	4	3,422
Aug-14	3,760	61	-	123	12	27	13	7	4,003
Sep-14	4,700	90	243	68	15	35	19	9	5,178
Oct-14	6,345	139	502	17	19	46	29	11	7,108
Nov-14	7,580	180	728	-	23	53	37	13	8,614
Dec-14	7,833	186	1,003	-	27	64	38	16	9,167
Jan-15	7,833	186	1,254	ı	31	73	38	18	9,433
Feb-15	7,075	168	1,359	ı	32	74	35	18	8,761
Mar-15	7,833	186	1,756	-	39	91	38	22	9,965
Apr-15	7,580	180	2,063	16	41	97	37	24	10,038
May-15	7,833	186	2,508	84	47	109	38	27	10,832
Jun-15	7,284	143	2,217	207	49	97	-	28	10,025
Jul-15	7,527	178	2,291	388	54	100	-	32	10,570
Aug-15	7,527	192	2,291	544	56	100	-	34	10,745
Sep-15	7,284	216	2,512	288	58	97	-	36	10,491
Oct-15	7,527	268	2,901	70	64	100	-	40	10,970
Nov-15	7,284	303	3,102	-	65	97	-	41	10,893
Dec-15	7,527	313	3,510	-	71	100	-	46	11,567
Jan-16	7,527	313	3,815	-	75	100	-	48	11,878
Feb-16	7,041	287	3,795	-	73	93	-	47	11,337
Mar-16	7,527	313	4,424	-	83	100	-	54	12,501
Apr-16	7,284	303	4,724	57	84	97	-	55	12,603
May-16	7,527	313	5,339	278	90	100	-	60	13,706
Jun-16	7,569	271	5,103	680	90	95	-	61	13,870
Jul-16	7,822	310	5,273	1,122	97	99	-	66	14,789
Aug-16	7,822	324	5,273	1,234	101	99	-	70	14,922
Sep-16	7,569	343	5,468	636	101	95	-	71	14,285
Oct-16	7,822	400	6,029	151	108	99	-	76	14,685
Nov-16	7,569	430	6,200	-	109	95	-	77	14,481
Dec-16	7,822	444	6,784	-	116	99	-	83	15,348
Jan-17	7,822	444	7,162	1	120	99	1	87	15,734
Feb-17	7,065	406	6,908	-	113	89	-	82	14,663
Mar-17	7,822	444	7,918	1	127	99	1	93	16,504
Apr-17	7,569	430	8,211	112	127	95	1	94	16,639
May-17	7,822	444	9,052	508	135	99	-	100	18,160

Appendix C-3: Energy Efficiency Monthly Savings Curves

Jun-17	-	-	8,760	1,207	130	95	-	97	10,289
Jul-17	-	-	9,052	1,842	135	99	-	100	11,227
Aug-17	-	-	9,052	1,651	135	99	-	100	11,037
Sep-17	-	-	8,760	826	130	95	-	97	9,908
Oct-17	-	-	9,052	191	135	99	-	100	9,576
Nov-17	-	ı	8,760	1	130	95	-	97	9,083
Dec-17	-	-	9,052		135	99	-	100	9,385
Jan-18	-	-	9,052	-	135	99	-	100	9,385
Feb-18	-	-	8,371	-	125	92	-	93	8,680
Mar-18	-	-	9,052	-	135	99	-	100	9,385
Apr-18	-	-	8,760	127	130	95	-	97	9,210
May-18	-	-	9,052	508	135	99	-	100	9,894
Jun-18	-	-	8,760	1,207	130	95	-	97	10,289
Jul-18	-	-	9,052	1,842	135	99	-	100	11,227
Aug-18	-	-	9,052	1,651	135	99	-	100	11,037
Sep-18	-	i	8,760	826	130	95	-	97	9,908
Oct-18	-	ı	9,052	191	135	99	-	100	9,576
Nov-18	-	ı	8,760	1	130	95	-	97	9,083
Dec-18	-	ı	9,052	-	135	99	-	100	9,385
Jan-19	-	-	9,052	-	135	99	-	100	9,385
Feb-19	-	-	8,273	-	123	89	-	92	8,577
Mar-19		1	9,052	-	135	99	-	100	9,385
Apr-19		1	8,760	127	130	95	-	97	9,210
May-19	-	ı	9,052	508	135	99	-	100	9,894
Jun-19	-	ı	8,760	1,207	130	95	-	97	10,289
Jul-19	-	-	9,052	1,842	135	99	-	100	11,227
Aug-19	-	-	9,052	1,651	135	99	-	100	11,037
Sep-19	-	-	8,760	826	130	95	-	97	9,908
Oct-19	-	-	9,052	191	135	99	-	100	9,576
Nov-19	-	ı	8,760	1	130	95	-	97	9,083
Dec-19	-	-	9,052	-	135	99	-	100	9,385
Jan-20	-	-	9,052	-	135	99	-	100	9,385
Feb-20	-	-	8,371	-	125	92	-	93	8,680
Mar-20	-	-	9,052	-	135	99	-	100	9,385
Apr-20	-	-	8,760	127	130	95	-	97	9,210
May-20	-	-	9,052	508	135	99	-	100	9,894

_	Annual MWh Totals by Program								
	HER	Accelerate	SmallBiz	PECI	CSG	OneChange	Shelton	CNT	Total
Jun-14 to May-									
15	73,936	1,624	11,416	365	297	696	335	170	88,839
Jun-15 to May-									
16	88,868	3,142	40,922	1,832	822	1,179	-	521	137,288
Jun-16 to May-									
17	92,095	4,693	79,381	4,443	1,344	1,162	-	961	184,078
Jun-17 to May-									
18	-	-	106,774	6,352	1,588	1,165	-	1,182	117,061
Jun-18 to May-									
19	-	-	106,676	6,352	1,587	1,162	-	1,181	116,957
Jun-19 to May-									
20	-	-	106,774	6,352	1,588	1,165	-	1,182	117,061